

AMENDMENTS TO THE SPECIFICATION

At the top of page 35, before the paragraph starting with “The invention...”, please insert the following into the substitute specification filed October 11, 2005.

BRIEF DESCRIPTION OF THE FIGURES

Figure 1 is a planar optical wave-guide comprising a first optically transparent layer (a) on a second optically transparent layer (b) with lower refractive index than layer (a). The figure further shows a layer (g) which is in contact with the sensor platform. Further, the figure shows an adhesion promoting layer (f) for mobilization of biological, biochemical or synthetic recognition elements. Finally, the figure shows laterally separated measurement areas (d).